## SOBCHAK ET AL. SC13176ZCZMTRL023US0

## Replacement Sheet 2/7 SOFT FIG. 2DECISION -216 METRIC THRESHOLD 120 206(1)~ 208(1)~ SHORT TREM INTEGRATOR MAGNITUDE IONB 1 ESTIMATE BAND No. 1 FILTER BAND No. 1 $I_IN$ BANK FOR -210 206(2)~ 208(2)~ I CHANNEL MAGNITUDE SHORT TREM IONB 2 INTEGRATOR ESTIMATE 202(1) BAND No. 2 BAND No. 2 SOFT DECISION METRIC **GENERATOR** FILTER Q\_IN 206(n)~ 208(N)\_ BANK FOR SHORT TREM TONB N Q CHANNEL MAGNITUDE ESTIMATE 202(2) BAND No. N BAND No. N 212~ 214~ SHORT TERM INTEGRATOR MAGNITUDE IOCH ESTIMATE CENTER FREQUENCY SELECT STOPBAND -204(1)ATTENUATION ADAPTIVE BANDPASS FIR FILTER I OUT I-CHANNEL LONG TERM INTEGRATOR 218(1) AND HYSTERESIS LOGIC ADAPTIVE BANDPASS FIR FILTER Q-CHANNEL Q\_OUT LONG TERM INTEGRATOR 218(2) 222-204(2) AND LOOK UP HYSTERESIS TABLE 1 LOGIC LOOK UP TABLE 2

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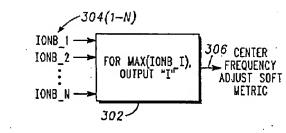
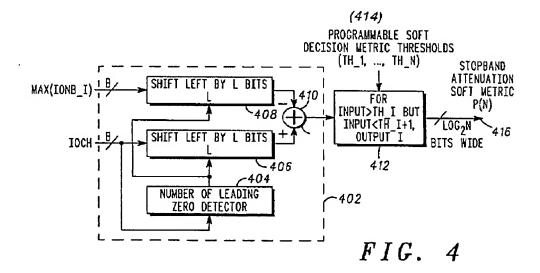


FIG. 3



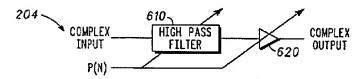


FIG. 6